



PATENT ABSTRACTS OF JAPAN

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(21) Application number: **06166612**(22) Date of filing: **19.07.1994**(30) Priority: **28.12.1993 JP 05338393**(71) Applicant: **TANIYAMA KAGAKU KOGYO KK**(72) Inventor: **HONMA SHIRO****(54) THREAD-OR BELT-SHAPED PLASTICALLY
DEFORMABLE POLYETHYLENE MATERIAL
AND ITS PRODUCTION****(57) Abstract:**

PURPOSE: To produce a thread- or belt-shaped plastically deformable polyethylene material capable of attaining a high productivity by using a general-purpose polyethylene as the raw material and the conventional extrusion equipment and to provide its production method.

CONSTITUTION: This plastically deformable polyethy-

lene material is composed of a stretched polyethylene produced by melting and then solidifying a polyethylene having <3.5 dl/g intrinsic viscosity $[\eta]$, e.g. high-density polyethylene or a mixture of polyethylene and another polyolefin, stretching the solidified material so as to give plastic deformation properties thereto and having ≥ 0.25 mm thickness of the thickest part. The characteristic of this plastically deformable polyethylene material is its plastic deformation properties represented by $\leq 20^\circ$ recovery angle observed when bent by either angle of 180° or 90° .

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